

After three days in court, Tang trial postponed

Styke testifies, trial likely to resume in fall

By John A. Hawkinson

NEWS EDITOR

The trial of Anna L. Tang — the Wellesley College student who stabbed MIT student Wolfe B. Styke '10 in October 2007 — began last month, and came to an abrupt halt on its third day last week Wednesday.



LEAH BRUNETTO—THE TECH



LEAH BRUNETTO—THE TECH

Informing the court that the Commonwealth-appointed psychiatrist had reversed her opinion on Tang's criminal responsibility on the "eve before the last day" of the trial, defense attorney Robert A. George moved to suspend the trial to allow time to prepare, and Judge Bruce R. Henry allowed it.

A status conference is set for August 17, and the trial is likely to be rescheduled for sometime after that date in September.

The Commonwealth's forensic psychiatrist in the case, Dr. Alison Fife, had submitted a report to the Court in May indicating that she believed Tang was not criminally responsible for the stabbing; that Tang did not

appreciate the wrongfulness of her behavior and lacked the ability to conform her behavior to the requirements of the law.

On the basis of the Fife report, Tang waived her right to a jury trial and proceeded with a bench trial before the

Tang, Page 13

Ortiz named new grad dean

Prof will succeed Lerman, starting August 1

By Elijah Mena

STAFF REPORTER

Chancellor Phillip L. Clay PhD '75 announced the selection of Christine Ortiz, Professor of Materials Science and Engineering, as the new Dean for Graduate Education on June 28. Ortiz is scheduled to assume her position on August 1.

The position was previ-

ously held by Steve R. Lerman '72, who left to become Provost and Executive Vice President of Academic Affairs at George Washington University. Until Ortiz assumes her new position as Dean, the role of the Office of the Dean for Graduate Education will be held by Senior Associate Dean Blanche E. Staton.

To help him make his decision to choose the next



ELIJAH MENA—THE TECH

Grad dean, Page 14

With aviator sunglasses hiding her eyes, lips painted fire-engine red, crystals dripping down her neck, and platinum blonde hair whisked to the side, the world-famous pop singer and recording artist Lady Gaga made a guest appearance to the MIT campus last Wednesday.

Representing the Polaroid Corporation as its official creative director, Gaga's visit to

MIT included a photo shoot on the third floor of the MIT Museum. Polaroid made a roughly ten thousand item donation to the museum, and Gaga's photo shoot capped off the unveiling of the museum's new collection.

Gaga was recently named creative director for the Polaroid Corporation this past January.

Gaga posed for a 20-inch by 24-inch black and white Polaroid camera, which is one of the last of its kind and

takes two people to operate. With her teeth showing, Gaga was snapped while in her notorious "claw" pose — similar to that found in her "Bad Romance" music video.

The photo will remain on permanent display at the MIT museum, alongside Polaroid's donation of cameras and other artifacts, spanning roughly 70 years of the company's technological history.

Contributing to the com-

Gaga, Page 3

Student calls for oil spill aid; gains media attention

By Ana Lyons

NEWS EDITOR

On June 10, Nora O. Hickey '12 sent an email to President Susan J. Hockfield and copied all the dormitory lists, urging MIT to take a more active role in the recent BP oil spill.

"We have some of the best engineers and scientists in the world, and in the face of a disaster caused

by what appears to be poor engineering practices, our institution could do a lot to contribute to resolving this world crisis," Hickey wrote.

Hickey worked as an intern at the New England Aquarium in Boston last spring while studying at MIT. She pointed out in her email that the aquarium is using its own resources to help aid inquired

animals, such as sea turtles.

She wrote, "while the aquarium has the resources to treat the results of the spill, MIT has the resources to develop solutions to stop the spill. The oil leak in the Gulf of Mexico is an opportunity for the Massachusetts Institute of Technology to make real changes in the world."

The email — entitled "MIT's in-

volve in fixing the oil leak" — gained the attention of several local media sources, such as the *Boston Business Journal* and *The Journal of New England Technology*, which published stories speaking of Hickey's email to the president.

"There was no official response [to my email]," Hickey told *The*

Spill, Page 14

provide their input."

The Court reconvenes in October, so no actions on the case will be made before then.

After the Solicitor General files his or her brief, the Court will decide whether or not to take the case.

Stanford University filed a reply brief on June 5, 2010. That brief, as well as the other five filings in the case, is available at <http://tech.mit.edu/V130/N23/scotus/>.

— John A. Hawkinson

Accepting the 'Challenge'

Students chug milk to celebrate Fourth

By Jingyun Fan

ASSOCIATE NEWS EDITOR

"Come celebrate AMERICA'S BIRTHDAY with class!" Patrick C. McDaniel '13 wrote to summer residents of East Campus on July 3. "Join us tomorrow for the GALLOON CHALLENGE!"

This Fourth of July, participants to the Gallon Challenge were encouraged to consume and retain a gallon of milk within one hour in order to show their patriotism.

The event was organized by McDaniel and Robert M. Johnson '13. The last EC gallon challenge was held at the beginning of last semester, however, Johnson said that gallon challenges aren't exactly scheduled regularly. The event occurs "perhaps whenever someone feels like they haven't had enough cal-

Milk, Page 14

IN SHORT

LSC will be showing free screenings of *Kick-Ass* for MIT students in 26-100 at 8 p.m. this Friday and Saturday.

The Last Hope hackers conference will be held from July 18 to 20 at Hotel Pennsylvania in New York City. Registration information can be found at: <http://www.thelasthope.org/>

Send news information and tips to news@tech.mit.edu

Supreme Court defers IP case

The Supreme Court has elected to defer a decision on whether to take *Stanford University v. Roche Molecular Systems, et al.*, the intellectual property case that Stanford, MIT, and scores of universities have asked the Court to hear.

The case is about whether the laws about ownership of federal-

ly-funded research trump specific contract language that a funded researcher at a university may have signed, and under what circumstances universities own title to federally-funded patents.

In an order issued on the last day of this year's term, June 28, the Court invited the Solicitor General to file a brief on the case.

According to Patrick Dunkley, senior university counsel for Stanford University, "there is no time limit for the Solicitor General to

SAVORY SUMMER STOPS

Tech staff writers visit eateries around the country, sharing stories of good grub.

ARTS, p. 8-9



CONTROVERSY AVOIDANCE

It's killing meritocracy and transparency in modern society.

OPN, p. 4

THE LAST AIRBENDER

Poor writing will disappoint fans of the animated series.

ARTS, p. 6

FIVE GHOSTS REVIEW

Indie pop band Stars does it again.

ARTS, p. 7

DEW TOUR COMES TO BOSTON

Skateboarding lights up the TD Garden.

SPORTS, p. 16

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East swelters in triple digits; more to come

BOSTON — Children at a day camp near here were pulled from the swimming pool once an hour so the lifeguards could plunge in and cool off. Commuter trains in Washington were slowed because of overheating tracks. Horse-racing tracks were closed in Philadelphia and Wilmington, Del.

Up and down the Eastern Seaboard on Tuesday, safety concerns upended the usual routines as a brutal blast of heat brought temperatures in excess of 100 degrees in several cities, with little relief expected for days to come.

The high of 103 in New York broke a record for the date. Baltimore hit 105, the highest temperature recorded since 1983, and in Boston, the temperature reached 100 degrees for the first time since 2002.

The culprit was a high pressure system "tethered along the East Coast," said Charlie Foley, a meteorologist with the National Weather Service in Taunton, Mass.

Coastal areas of New England got a modest reprieve from a shallow sea breeze, but inland regions sweltered.

In Philadelphia, a 92-year-old woman was found dead in her home on the second floor, where all but one window was closed. The medical examiner ruled that extreme heat was a factor in her death.

And in Worcester, Mass., the state's lieutenant governor, Timothy Murray, was hospitalized Monday night with fatigue and chest pains after marching in five parades over the Fourth of July weekend. A spokesman said that the extreme heat was partly to blame and that Murray would be released Wednesday.

In Boston, nine firefighters were taken to hospitals and given intravenous fluids after fighting a blaze fueled by an unattended propane grill on the roof of a brownstone.

In Washington, commutes were longer after trains were ordered to operate at least 20 mph under maximum speeds because of the heat. In Baltimore, officials planned to distribute bottled water to the homeless over the coming days.

—Abby Goodnough, *The New York Times*

U.S. and Israel shift attention to peace process

WASHINGTON — President Barack Obama said Tuesday that he expected direct negotiations between Israelis and Palestinians to begin "well before" a moratorium on settlement construction expires at the end of September, and Prime Minister Benjamin Netanyahu '75 of Israel pledged to take "concrete steps" in the coming weeks to get the talks moving.

—Sheryl Gay Stolberg and Mark Landler, *The New York Times*

Law in Arizona is causing a split in border talks

PHOENIX — For nearly 30 years, the governors of the states that line both sides of the U.S.-Mexico border have gathered to celebrate border bonhomie. They issue proclamations and pledges to work together, air grievances and concerns behind closed doors and pose for the cameras in symbolic showings of cooperation.

But this year the 28th annual conference has collided headlong with Arizona's crackdown on illegal immigration, inspiring bitter recriminations among Mexican governors and rancor among some U.S. ones.

Gov. Jan Brewer of Arizona has championed the new state law that gives local police officers broader authority to question people they stop about their immigration status. On Tuesday, the U.S. Justice Department filed suit to challenge the law.

—Randal C. Archibald, *The New York Times*

WEATHER

Dreaming of Winter Yet?

By Brian H Tang
STAFF METEOROLOGIST

Boy, it's hot! Yesterday's air temperature reached 100°F (38°C) at Logan Airport, which fell just short of a record high. However, the heat index, which is a measure of how it actually feels due to the combined temperature and humidity, made it feel closer to 105°F (41°C). At night, there is little relief from the stifling heat, making it really uncomfortable to sleep for those without air conditioning.

Fortunately, the worst of the heat was yesterday. A weak storm

system to the south will push in cooler, maritime air over the region. While it will still be on the hot and humid side, it will be more tolerable. If you can escape to the beach, the ocean temperature is in the refreshing upper-60s°F (20°C).

True relief from the heat likely will not come till this weekend, when a strong cold front is forecasted to push through the region. The tradeoff is that as the jet stream comes back south, we will likely see a resumption of periodic thunderstorms. In the meantime, pools, beaches, ice cream, and dreams of winter will have to do.

Extended Forecast

Today: Sunny and a little cooler. E winds 5-10 mph. High 90°F (32°C).
Tonight: Mostly cloudy. Low 74°F (23°C).
Tomorrow: Partly cloudy. S winds 5-10 mph. High 88°F (31°C).
Friday: Sunny. S winds 10-15 mph. High 89°F (32°C).
Saturday: Increasing clouds with a chance of storms in the afternoon. High 88°F (31°C).
Sunday: Mostly cloudy with a chance of storms. High 83°F (28°C).

Colleges learn cheaters' tricks to stop them; this includes TEAL

By Trip Gabriel
THE NEW YORK TIMES

ORLANDO, Fla. — The frontier in the battle to defeat student cheating may be here at the testing center of the University of Central Florida.

The 228 computers that students use are recessed into desk tops so that anyone trying to photograph the screen — using, say, a pen with a hidden camera, in order to help a friend who will take the test later — is easy to spot. Scratch paper is allowed — but it is stamped with the date and must be turned in later.

When a proctor sees something suspicious, he records the student's real-time work at the computer and directs an overhead camera to zoom in, and both sets of images are burned onto a CD for evidence.

Taylor Ellis, the associate dean who runs the testing center within the business school at Central Florida, the nation's third-largest campus by enrollment, said that cheating had dropped significantly, to 14 suspected incidents out of 64,000 exams administered during the spring semester.

"I will never stop it completely, but I'll find out about it," he said.

As the eternal temptation of students to cheat has gone high-tech — not just on exams, but by cutting and pasting from the Internet and sharing of homework online like music files — educators have responded with their own efforts to crack down.

Anti-plagiarism services requiring students to submit papers to be vetted for copying is a booming business. Fifty-five percent of colleges and universities now use such a service, according to the Campus Computing Survey.

The extent of student cheating, difficult to measure precisely, appears widespread at colleges. In surveys of 14,000 undergraduates over the last four years, an average of 61 percent admitted to cheating on assignments and exams.

At MIT, David E. Pritchard, a physics professor, was able to accurately measure homework copying with software he had developed for another purpose — to allow students to complete sets of physics problems online. Some answered the questions so fast, "at first I thought

we had some geniuses here at MIT," Pritchard said. Then he realized they were completing problems in less time than it took to read them and were copying the answers — mostly, it turned out, from e-mail messages from friends who had already done the assignment.

About 20 percent copied one-third or more of their homework, according to a study Pritchard and colleagues published this year. Students who copy homework find answers at sites like Course Hero, which is a kind of Napster of homework sharing, where students from more than 3,500 institutions upload papers, class notes and past exams.

Another site, Cramster, specializes in solutions to textbook questions in science and engineering. It boasts answers from 77 physics textbooks — but not Pritchard's popular "Mastering Physics," an online tutorial, because his publisher, Pearson, searches the Web for solutions and requests they be taken down to protect its copyright.

"You can use technology as well for detecting as for committing" cheating, Pritchard said.

Circuitry with a feel for humanity

By Amy Harmon
THE NEW YORK TIMES

Nothing Eileen Oldaker tried could calm her mother when she called from the nursing home, disoriented and distressed in what was likely the early stages of dementia. So Oldaker hung up, dialed the nurses' station and begged them to get Paro.

Paro is a robot modeled after a baby harp seal. It trills and paddles when petted, blinks when the lights go up, opens its eyes at loud noises and yelps when handled roughly or held upside down. Two microprocessors under its artificial white fur adjust its behavior based on information from dozens of hidden sensors that monitor sound, light, temperature and touch. It perks up at the sound of its name, praise and, over time, the words it hears frequently.

"Oh, there's my baby," Oldaker's mother, Millie Lesek, exclaimed that night last winter when a staff member delivered the seal to her. "Here, Paro, come to me."

"Meeakk," it replied, blinking up

at her through long lashes.

Janet Walters, the staff member at Vincentian Home in Pittsburgh who recalled the incident, said she asked Lesek if she would watch Paro for a little while: "I need someone to babysit," she told her.

"Don't rush," Lesek instructed, stroking Paro's antiseptic coat in a motion that elicited a wriggle of apparent delight. "He can stay the night."

After years of effort to coax empathy from circuitry, devices designed to soothe, support and keep us company are venturing out of the laboratory. Paro, its name derived from the first sounds of the words "personal robot," is one of a handful that take forms that are often odd, still primitive and yet, for at least some early users, strangely compelling.

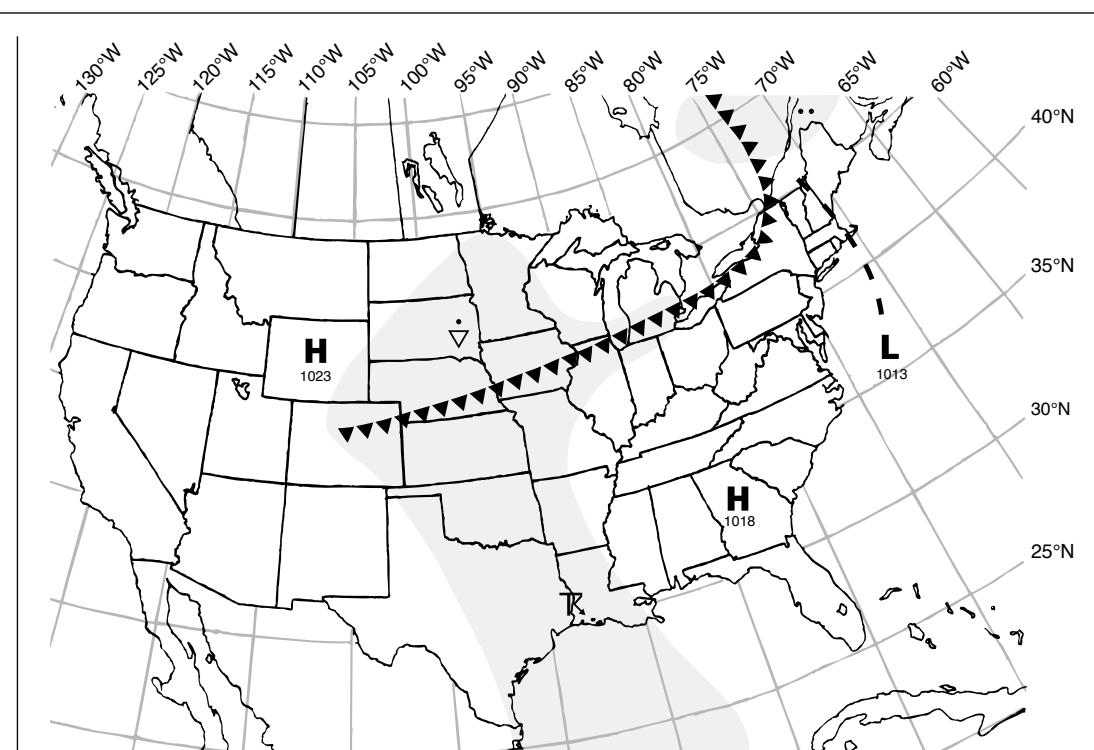
For those with a hankering for a custom-built companion and \$125,000 to spend, a talking robotic head can be modeled on the personality of your choice. It will smile at its own jokes and recognize familiar faces.

Robots guided by some form of

artificial intelligence now explore outer space, drop bombs, perform surgery and play soccer. Computers running artificial intelligence software handle customer service calls and beat humans at chess and, maybe, "Jeopardy!"

But building a machine that fills the basic human need for companionship has proven more difficult. Even at its edgiest, artificial intelligence cannot hold up its side of a wide-ranging conversation or, say, tell by an expression when someone is about to cry. Still, the new devices take advantage of the innate soft spot many people have for objects that seem to care — or need someone to care for them.

Their appearances in nursing homes, schools and the occasional living room are adding fuel to science fiction fantasies of machines that people can relate to as well as rely on. And they are adding a personal dimension to a debate over what human responsibilities machines should, and should not, be allowed to undertake.



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	- - - Trough	Snow	Fog
L Low Pressure	W - - Warm Front	Rain	Thunderstorm
S Hurricane	W - - - Cold Front	Showers	Haze
	W - - - - Stationary Front	Light	
		Moderate	
		Heavy	
		**	
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Compiled by MIT Meteorology Staff and *The Tech*

'Are you sure this is legal?': a memorable encounter with Gaga

By Yan Zhu

REPORTER'S NOTEBOOK

The expression of toughened boredom on the police officer's face said quite clearly, "Lady Gaga does not want a 12-person serving of Caesar salad."

As if on cue, an MIT Museum employee appeared in the slim hallway and briskly escorted ten MIT students, with me still gripping an uneaten tray of salad, from the museum into the thick sludge of fans congealing in an alleyway outside MITERS. Despite inviting a dozen students, myself included, to a focus group and regaling us with free pizza and salad on the morning of Gaga's photo shoot, Polaroid asked us to stay out of the museum until after Lady Gaga walked out wearing half of the 8.022 lecture demonstrations (or so I imagined).

The leftover salad, which we'd tried to "deliver" to Lady Gaga in case she needed sustenance to get through the long, hard task of being photographed while sitting in a chair, was dubbed "Lady Gaga's Rejected Salad" and abandoned to the fame-hungry masses.

It was 12:30 p.m. We had invitations to a Polaroid press conference in two hours and projects waiting to be UROPed in air-conditioned labs, but for now, the feverish heat of the crowd was as viral as a YouTube parody of a music video by...never mind.

We stuck around, cultivating incipient sunburns and staring into a parking lot while trying to ignore the terrifying implications of having voluntarily waited two hours to get a glimpse of the right hand of



GREG STEINBRECHER—THE TECH

Yan Zhu '12 asked Lady Gaga to sign her MIT ID card when Gaga visited the MIT Museum on Wednesday June 30. Gaga spent a couple minutes signing autographs for fans on her departure at approximately 3 p.m.

someone whose stage name seems derived from the lexicon of 2-month-olds. At one point, one of Gaga's chauffeurs suddenly walked away from his car and toward the back entrance to the museum, drawing eyeballs toward him like dipoles in a magnetic field as the crowd hushed in anticipation of a clicking doorknob, plausibly followed by a woman clad in diamonds, gyroscopes, and

razor blades.

Fans stood tense, poised on the cusp of high-pitched shrieks, as he lifted the lid of a dumpster bin and anticlimactically tossed away an empty container of ice cream. Lady Gaga, apparently, would not make her exit through the dumpster. Instead, at around 3 p.m., she stepped into a nondescript black car from a museum doorway originally designed

for use by normal, less-famous humans.

As she rolled out of the parking lot accompanied by choruses of love proclamations and screams of ecstasy by those who had just achieved life fulfillment, I snapped tabloid-quality pictures of the back of her head through a tinted car window before I discovered that I could run to the other side of her vehicle without getting arrested.

From there, the logical next step was to bullet toward her face like a homing beacon. As it turns out, weaving through throngs of hysterical Lady Gaga fans is much, much easier than trying to get to class in 6-120 through the Infinite while a tourist group is taking pictures of Course III students in that lab with the glass walls. Suddenly, I was closer to Lady Gaga than I had ever been. She was autographing everything that anyone put in front of her unrolled window. I checked my pockets. I had a camera (which was black), a cell phone (which was also black), a debit card (which was too cluttered with numbers), a Charlie Card (which would have been less valuable signed than a plain sheet of paper), and an MIT ID.

Without thinking too hard, I thrust the ID into Lady Gaga's manicured fingers and said, "Lady Gaga! Will you sign my MIT ID?" Lady Gaga asked in a voice lazily dripping with boredom and limousines and private yachts, "Are you sure this is legal?"

"No," I replied.

She then scrawled something illegible on my ID that should have said "Lady Gaga" but might just as well have been "Lime Grog." Friends congratulated me on my luck for the rest of the week. Some of them were even jealous enough to turn the color of lime grog.

Polaroid donates history to MIT Museum

Over ten thousand technological pieces spanning over 70 years

Gaga, from Page 1

pany's decision to donate to the MIT Museum, Polaroid has local origins, as it was originally founded in Cambridge in 1937.

"Honest to God, when I first found out about [the donation], I thought it was a joke," said Deborah Douglas, MIT Museum's curator of science and technology.

According to Deborah, negotiations for the massive collection of historical Polaroid artifacts began last December and January, and the official deed of gift was signed last May.

Once the donation was officially made, "we had amazing people come in [and organize inventory]," she said. "They had two weeks to take a picture of ten thousand items—to take inventory...We had an assembly line going."

Although Gaga left before the photo was unveiled, Polaroid's Corporate President Scott Hardy, CEO Stephen G. Miller, Chief Marketing Officer Jon Pollock, and Douglas, addressed a crowd of press and pre-selected MIT students regarding their plans for the newly donated Polaroid Archive.

Students at the unveiling were those whose student group's share space with the museum's building as well as those who got special access to be in a "Polaroid focus group."

"Now we have it roughly in place,



Polaroid executives and MIT Museum curator Deborah Douglas pose with the Lady Gaga portrait at the Polaroid press conference at the MIT Museum. On June 30, Lady Gaga came to MIT to have her portrait taken with an extremely rare Polaroid 20x24 camera. The resulting portrait was donated to the MIT Museum.

and we have got to tell the world about [the donation], because it's really fantastic," Deborah said.

"MIT is all about making things and doing things, and in one sense, this business of Lady Gaga, you think 'oh it's celebrity' and so forth...but on the other hand, it's as curator's dream that she would want to come here to the museum and learn about the history of this technology," she said.

Gaga was already in the Cam-

bridge area before visiting MIT for her back-to-back concerts, performed on July 1 and July 2 at TD Bank North Garden.

"It was really good timing because Lady Gaga was in town for her concert, and we thought why don't we bring her here to MIT," Douglass said. "We were really sorry she wasn't here today [for the event]...we're bummed out about that."

Before the departing from the museum's back entrance however, Gaga

did take a couple minutes to sign autographs for students and fans.

While some onlookers had her sign more traditional items such as photographs and biographies of the singer, one student had Gaga sign what appeared to be a 1000 microliter pipette.

Yan Zhu '12 was also among those who got an authentic Gaga autograph; she got it on her MIT ID.

See Zhu's story of her Lady Gaga experience in this story's sidebar.

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MIT students, family, employers and start-ups seeking U.S. legal counsel, campus or office consultation. Call:

James Dennis Leary, Esq.
321-544-0012

Solution to Sudoku

from page 11

3	8	1	6	2	9	5	7	4
2	9	5	7	3	4	6	8	1
4	6	7	5	8	1	2	3	9
8	4	9	3	7	6	1	5	2
1	7	3	2	4	5	8	9	6
5	2	6	1	9	8	3	4	7
7	1	8	4	6	3	9	2	5
9	5	2	8	1	7	4	6	3
6	3	4	9	5	2	7	1	8

Solution to KenKen

from page 11

20x	3÷	2÷	5-	2-
4	3	2	1	6
			4-	
5	1	4	6	2
			3-	
3	6	1	2	5
			2-	
2	5	6	4	3
			1	
5-	2÷	2-	1-	3÷
1	2	5	3	4
			6-	
6	4	3	5	1

Solution to Crossword

from page 11

R	A	R	E	R	R	H	O	M	E	D	I	C
A	L	O	N	E	E	A	R	O	V	I	N	E
H	E	A	R	T	A	C	H	E	R	E	A	T
S	C	R	I	A	B	I	N	H	E	R	M	E
C	R	I	T	C	A	L	I	C	O	N	E	
B	A	C	H	D	A	U	B	S	A	N	T	S
O	W	L	H	E	L	M	S	E	N	D		
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B	O	N	A	S	S	E	T	I	D	A		
A	S	H	E	D	I	N	A	G	M	E		
T	O	O	F	A	M	I	L	I	A	L		
L	O	U	P	E	S	P	A	N	D	O	R	A
A	T	S	E	A	S	P	A	D	E	W	O	R
S	H	E	A	R	H	E	M	P	E	S	C	I
T	E	S	T	S	E	D	S	T	R	E	S	S



ERIC D. SCHMIEDL—THE TECH

As Lady Gaga left the photo shoot from the back of Building N52, one MIT student asked her to sign his lab pipette. On June 30, Lady Gaga came to MIT to have her portrait taken with an extremely rare Polaroid 20x24 camera from the MIT Museum.

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Free speech requires responsibility

Not depicting Muhammad is essential for respectful, inoffensive discourse

By Jonathon Richmond

ADVISORY BOARD

Keith Yost misses the point in his column "Muhammad in a bear costume," a thoroughly confused ramble that disguises prejudice in the guise of apparently reasoned discourse. He states up front that "I am not calling for offending for offense's sake there is a reasonable argument to be had that responsible institutions should take measures, including self-censorship, to avoid inspiring animosity between Islam and the West."

However, in contradiction to this, he believes that "our citizens have the right to satirize Muhammad without fear of retribution, just as they have the right to declare themselves gay or to let their religious beliefs be known" and that the "right" to display Islam's holy prophet in a bear costume should be protected. He feels that failing to print such a cartoon represents an attack on our "core democratic principles." And criticizes *The Tech* for refusing to print what he describes as

a "respectful depiction" of Islam's prophet alongside his column. He urges other media organizations to publish portrayals of him "as a declaration of the supremacy of free speech."

The Managing Board of *The Tech*, including the alumni Advisory Board of which I am a member, had a substantial discussion over whether to allow Yost's cartoon to be printed. In the course of this debate *The Tech* consulted the MIT imam as well as Muslim students.

A decision was reached that the unnecessary offense caused by Yost's cartoon to the Muslim community outweighed any possible additional contribution to discussion.

It does not matter that Yost finds it proper to portray Islam's prophet either in a bear costume or in any way that he finds to be "respectful." Most Muslims do not find any portrayal of their prophet to be respectful.

We must recognize that our world is enriched by the presence of a multitude of cultures, and reach out to accommo-

date views that may differ from our own in order to live together in peace and harmony.

There is no obligation on any media organization to publish any particular item. No "censorship" was shown in refusing to publish Yost's cartoon in *The Tech*. "Censorship" refers to a legal prohibition on a particular form of publication, and no such restriction exists. However, responsibility accompanies freedom of speech, and with it comes a need to strike a proper balance. *The Tech* has maintained that balance by both allowing Yost's column to be printed, even though I found its content disagreeable, and recognizing that Muslims on campus are valued as members of the community and are to be welcomed to take part in any discussion without the pressure of offensive attacks on their most cherished prophet or beliefs.

Printing an opinion in a spirit of tolerance and equality encourages free speech. Putting down any element of society in an offensive way spreads fear and closes off that freedom.

Check your intellectual freedom at the door

Our knee-jerk avoidance of controversy is destroying both meritocracy and transparency

By Keith Yost

STAFF COLUMNIST

In 1858, a relatively obscure lawyer named Abraham Lincoln ran for a U.S. Senate seat against Stephen A. Douglas, at that time the most powerful senator in the country. The two candidates agreed to a series of seven (seven!) three-hour-long (three hours!) public debates on slavery, each to be held in a different congressional district of Illinois. Although Lincoln lost the election, the debates and the publication of their transcripts brought him to national attention, and two years later propelled him to becoming the 16th president of the United States.

Looking back, it seems almost quaint

that one of our greatest presidents earned his office by engaging the most intractable problem of his time, unscripted and unmoderated, against an extremely capable opponent. By contrast, fellow Illinoisan Barack Obama broke onto the national scene by giving a prepared reading of elegant but hollow platitudes to a crowd of partisan supporters. Given the nature of modern politics as popularity contests, and the power that sound bites have in a world of YouTube and 24-hour cable news channels, such a shift was inescapable — politics will never be unconstrained of the need to minimize offense at the expense of free discourse. The real tragedy, and what we must now work to reclaim, is the extent to which political correctness has extended its grasp

to other organs of our society. Whereas once the contagion remained contained to politicians, now it has spread to our press, our universities, and our civil and military services. No person occupying the public sphere, no matter how skilled, no matter how crucially employed, can avow himself for or against in any controversial matter without the risk of being cashiered. Lincoln, were he alive today, would not just find it difficult to get elected, he would find it nearly impossible to serve in almost any public capacity, be it journalist, dean, director, or general.

To steal Rousseau's turn of phrase, our speech is born free, but is everywhere in

Avoidance, Page 5

CORRECTIONS

In the June 11 issue, the second paragraph of a caption describing top compensation at MIT omitted a word from the definition of the "Paid compensation" column in the accompanying table. "Paid compensation" is the sum of "base compensation," "bonus & incentive compensation," and "other reportable compensation." The second item was incorrectly rendered as "bonus & compensation." The same caption omitted an explanation of "MITIMCo." MITIMCo, the MIT Investment Management Company, manages MIT's investments and endowment. MITIMCo employees' compensation is linked to the performance of MITIMCo's investments. Professor Nelson Repenning's half-million dollar "other reportable compensation" is due to his role as faculty director of a custom executive education program called the BP-MIT Operations Academy.

Because of an editing error, an interview with Professor

Yasheng Huang referred to Huang by his given name "Yasheng." It is our style to refer to subjects by their family names on second reference, which is "Huang" in this instance.

Because of an editing error, the article about the tornado watch in Boston misidentified Yan Zhu '12 as a student in Course XIII. Zhu is a student in Course VIII, Physics. MIT has not had a Course XIII since 2005, when Ocean Engineering (then Course XIII) merged with Mechanical Engineering (Course II).

In the article about the nomination of Dean Subra Suresh ScD '81 to lead the National Science Foundation, the third paragraph containing a single incomplete sentence was incorrectly placed. That paragraph should have not appeared in the article.

In the June 4 issue, a photograph caption for the 2.00b Toy Playsentations misidentified the student presenting the Frubble product. She is Paulina Mustafa '13, not Anne G. Warren '13.

An article on the Anna Tang stabbing from October 26, 2007, misspelled the given name of the Next House night watchman. His name is Russell J. Novello, not Russel.

OPINION POLICY

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MOVIE REVIEW

Crossing the finish line with *Spirit of the Marathon*

Jon Dunham captures the essence and stories behind the Chicago Marathon

By Philipp Diesinger

Spirit of the Marathon is a rare documentary movie that tries to capture the drama and essence of the 26.2 mile running event. Director Jon Dunham and his crew filmed on four continents to chronicle the experiences of six very different marathon runners throughout their training and closing with their performances in the 2005 Chicago Marathon. The film focuses on two elite runners who focus on winning the race: American Champion and 2004 Olympic bronze medalist Deena Kastor and the Kenyan professional runner Daniel Njenga. The film also displays the struggles and successes of the five amateur runners Ryan Bradley, Leah Calle, Gerald Myers and Lori O'Connor. "The reason that most people run the marathon is that it is a challenge for them. And whether it's physical, mental or both - it's something that helps them in their everyday life" explains Marathon champion Alberto Salazar.

Spirit starts by illuminating the history of the race with archived footage and photos from several Olympic marathons, it shows how this long-distance run became dominated by African runners and the im-

portance this has for their home countries. Dunham also focuses on the curious role of women and how they fought back their right to compete in marathon races after the 1928 Olympics officials decided that any races further than 200 meters were too hard for them and therefore banned all women from distances beyond this range.

Spirit leaves the usual track of a documentary and delves into a more personal and emotional exploration...

After setting the frame, *Spirit* leaves the usual track of a documentary and delves into a more personal and emotional exploration of the six individuals and their lives, hopes, and experiences. Daniel Njenga, one of the top 10-runners in the world, was followed to Kenya when visiting his family and siblings. While watching those scenes the audience is given an inside glimpse

of what marathon running means to him, his siblings and his entire country. Njenga speaks intimately about his Kenyan house and how the money with which he supports his big family attracted thugs.

Spirit also explains the five amateur runners' diverse motivations to finish the 2005 Chicago Marathon how the event impacts their lives. Jon Dunham uses their stories to pull the attention away from a sports event to demonstrate that marathon race is a strong metaphor for life. At the entrance statement of the film Deena Kastor explains: "Sometimes the moments that challenge us, define us the most." This is even - if not more - true for those amateur runners.

When director Jon Dunham was asked how he chose the six runners he selected, he found the marathon to be an "incredible mixing of elite runners with the amateur runners from all across the globe and all ranges of human experience". Dunham said that he wanted the film "to offer inspiration for anyone who sets out to achieve a goal that takes the determination, effort and attitude of running a marathon". His movie demonstrates the incredible human ability to bring the impossible to re-

ality and thus becomes more and more a film about the temper of man itself. Boston Marathon champion Dick Beardsley gets to the heart of the complex fascination of the marathon: "When you cross that finish line - no matter how slow, no matter how fast - it will change your life forever."

Spirit is an exciting documentary about both running and life. The incredible soundtrack of Emmy Award winner Jeff Beal generates a very intense and emotional atmosphere and makes it an inspiring demonstration of the human ability to overcome any struggle. If you enjoy running, no matter how fast or slow you are, you will definitely enjoy this documentary.

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the fermat puzzle

$$x^2 + y^2 = z^2 = (x+y)(x-y), z = \text{prime}, z^3$$

x, y are integers, Fig 1

$$z^m = (z^2)(z^{m-2}) = (z^2)^{\frac{m}{2}}$$

$\frac{m}{2}$ has remainders $\frac{1}{2}$ or $\frac{3}{2}$

$\therefore z^m = \text{whole nbr. of } (z^2)'s \text{ times}$

$$(z^2)^{\frac{1}{2}} \text{ or } (z^2)^{\frac{3}{2}}, (z^2)^{\frac{1}{2}} = z, (z^2)^{\frac{3}{2}} = z^2$$

$\therefore z^m = (z^2 \dots)(z), \text{ or } z^m = (z^2 \dots)(z^2)$

$$z^2 = x^2 + y^2 = (x+y)(x-y, x+y, z), y = \text{irrational}$$

$$z^2 = (x+y)(x-y) = x^2 + y^2 = \text{fermat vindicated}$$

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CONCERT REVIEW

Give me the funk: War kicks off concert series at the Hatch Shell

103.3 WODS's Free Summer Concert Series at the Hatch Shell features iconic oldies

By Ana Lyons

STAFF WRITER

With bubbles floating through the air and peace signs diffusing through the crowd at a rate that would have impressed even Robert Brown, the flower children of Boston made a comeback at the first of 103.3 WODS's Free Summer Concert Series on June 19, featuring the wildly popular 70's funk band, War.

War is best known for their hits "Why Can't We Be Friends?" and "Low Rider," which are frequently used in Hollywood films, and most recently has been used in beginning credits of the comedy sitcom "George Lopez."

The roughly two-hour concert was held at the Boston Hatch Shell, and the show began at 7 p.m.—just as the hot summer sun came to rest over the Charles, filling the sky with psychedelic shades of hot pink, burnt amber, and indigo.

Admission was free, and a good view was available to anyone who was willing to bring a blanket and claim a place on the lawn, about an hour before the concert was scheduled to begin.

The crowd was admittedly 40 and over, however, the lawn was sprinkled with families and hipster-esque college students, hoping for a night of free entertainment. Tie-

dyed shirts, bell-bottomed jeans, American flag head bands, and crisp white daisies appeared to be the unspoken dress code for the majority of the crowd, but 10 minutes or so into the concert, everyone in the crowd—regardless of age or fashion sense—was tapping their feet, shaking their hips, and bouncing beach balls to the next blanket over.

The music was somewhat slow to begin, but once lead singer Leroy "Lonnie" Jordan opened the night with "Give Up the Funk," the energy of the crowd ignited, as dozens of fans stood up to display signs and dance. The lead saxophonist kept the energy of the crowd alive, with his soulful solos, which were enough reason to make the trip to the show, even before the top hits made it through the queue. The funky hippie outfits of the band, bright lights of the Hatch Shell, the neon-sticker embellished keyboard appearing center stage, and energy of the crowd were all added bonuses to the beautiful Boston weather and good old-fashioned funk floating through the park.

As expected, the crowd went wild for the well-known hit "Why Can't We Be Friends?" and nearly everyone was dancing on their feet for the bongo-ridden song of the night, "Low Rider." In return for the free concert, all that the band asked

from the crowd was a little "L-U-B-B" (love) in return.

The local radio station is host-

ing two more similar free concerts over the summer, with the upcoming concert featuring the 80's legend Eddie Money (singer of the hits "Take Me Home Tonight" and "Baby Hold On") on July 17. It's the perfect musical addition to a picnic with friends or an outing with family (especially your parents—imagine getting to see Lady Gaga or John Mayer, these oldie's likely feature equivalents, for free 60 years down the road).

The music may not be the best of modern music, but bring a bottle of sparkling fruit juice, a baguette and cheese, a blanket for the lawn, and some good company to take an enjoyable walk through the history of American pop. And did I mention it's free?

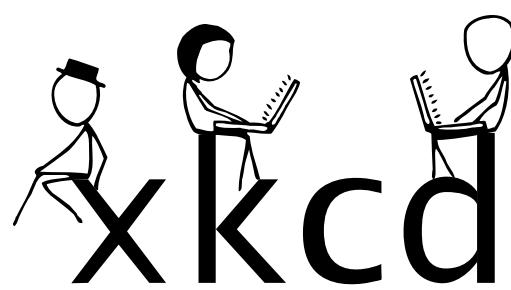
For a complete posting of 103.3 WODS's Free Summer Concert Series, visit: <http://wods.radio.com/shows/2010-free-summer-concert-series/>



A jam-packed crowd watches on as Conductor Keith Lockhart leads the Boston Pops at the Hatch Shell. Well over 500,000 people lined the Charles River to watch the 4th of July fireworks celebration.

ANDREW SWAYZE—THE TECH

Toot



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SARCASM, MATH, AND LANGUAGE**

I DON'T MEAN TO
TOOT MY OWN HORN,
BUT I WAS FIRST IN
MY CLASS AT CALTECH.

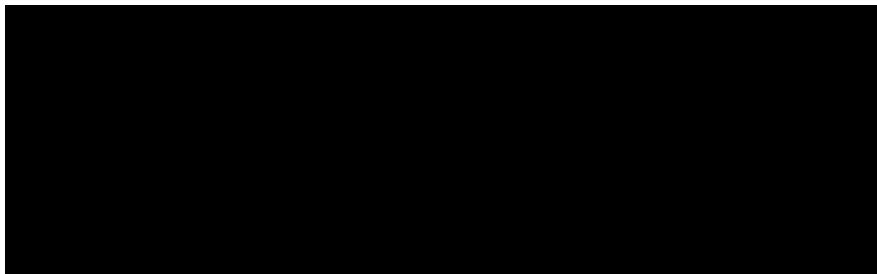
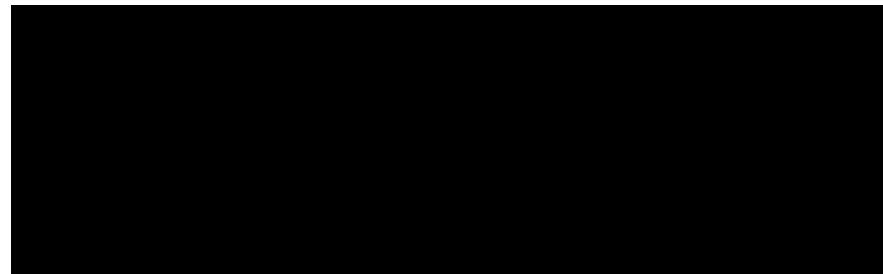
REALLY? I DON'T MEAN TO
TOOT MY OWN HORN, BUT
BRAAAAAAP!

AIR HONKS:

WORTH CARRYING
AROUND YOUR ENTIRE
LIFE FOR THOSE FEW
PERFECT MOMENTS.

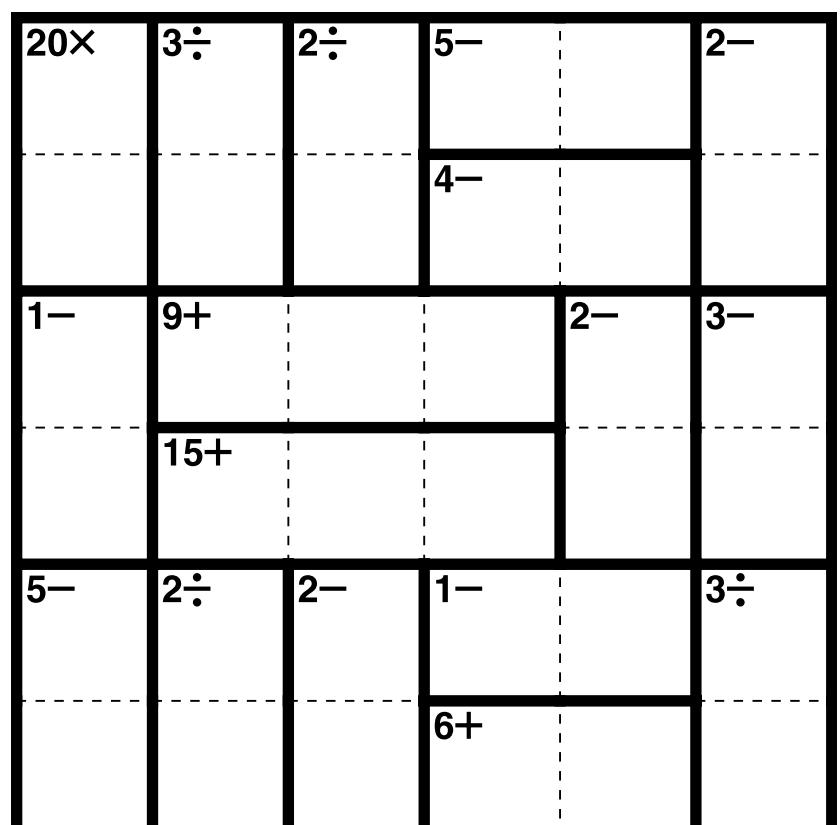
This is also one of only five identified situations in which a Venezuela is actually appropriate.

Dilbert® by Scott Adams



Kenken

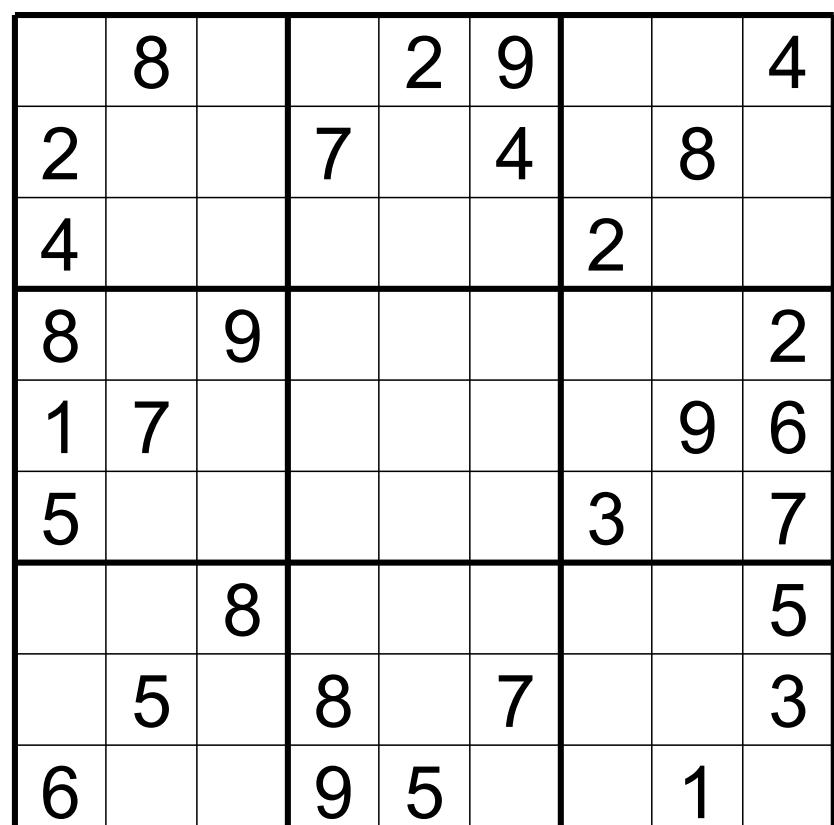
Solution, page 3



Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1 through 6. Follow the mathematical operations for each box.

Sudoku

Solution, page 3



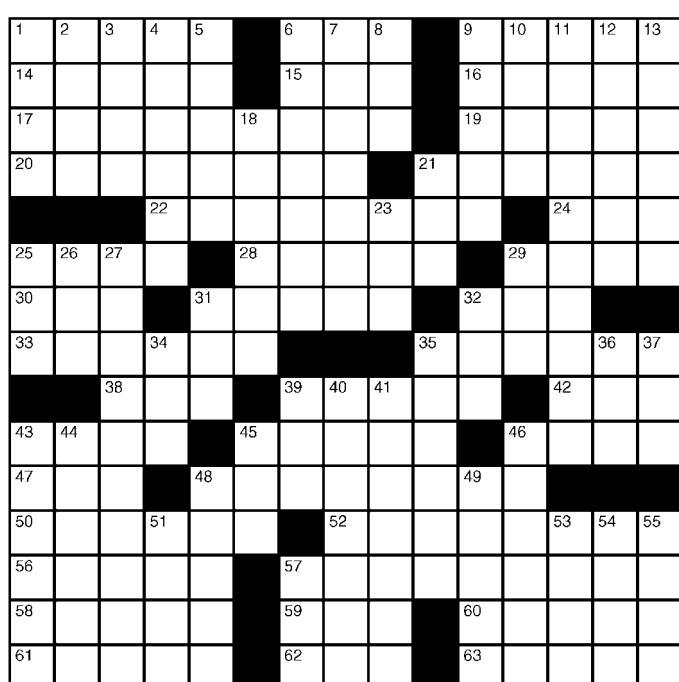
Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Crossword Puzzle

Solution, page 3

ACROSS

43 1975 Wimbledon champion	8 Bauxite, e.g.
45 A Shore	9 Mushroom choice
46 FBI personnel	10 "... happily __ after"
47 Also	11 One of the Brady bunch?
48 Of the household	12 Purpose
50 Jewelers' glasses	13 Discontinues
52 Box of ill fame	18 Puts up with
56 Baffled	21 Embodies
57 Preparatory research	23 "60 Minutes" network
58 Clip sheep	25 Charlie Parker's jazz
59 Haw's partner	26 Carpentry tool
60 Joe of "GoodFellas"	27 19th-hole locations
61 Exams	29 Mass. cape
62 News chiefs, for short	31 Biddy
63 Lock or shock	32 Swallow
DOWN	
1 Cheers	34 Top Stooge
2 Actor Guinness	35 In arrears
3 Big laugh	36 Poetic piece
4 Improve in quality	37 __ Miguel, CA
5 Patch roads	39 Purpose
6 Student's performance	40 Cut with quick strokes
7 Unnilpentium	41 Deep bows
	43 Finally!
	44 Mollify



45 Prosecutors, for short	53 Abie's Irish lass
46 Stare angrily	54 Circumference
48 Phobias	segments
49 Skilled one	55 Schusses
51 Fuel from bogus	57 That lady

BROUHAHA RHYTHM

Rebuilding the Machine Man

What *Metropolis* illustrates about first impressions

By Michael Lin
CAMPUS LIFE EDITOR

Trying to figure out where I stand on the line between "good taste in movies" and "cinema snob" has been a bizarre process. Looking through my movie collection, the balance between "mindless but enjoyable fluff" and "underappreciated gems that I spend most of my time trying to show other people" is surprisingly even. One of my recent purchases, a blockbuster action-comedy starring Dwayne Johnson (while he was still credited as "The Rock"), even manages to fall into both categories.

The impetus for my cinematic identity crisis boils down to the question of whether it's possible to predict a movie's potential impact at its release, a question brought on by a movie experience I had last month. Once upon a time, German filmmaker Fritz Lang released the silent film *Metropolis*, about a futuristic-circa-1927 city populated by a downtrodden working class, their administrative oppressors, one

The moral of the restoration of *Metropolis* seems to be that rushing to tweak something based on first impressions isn't always a good idea.

mad scientist with a bum hand, and one Machine Man that would be indistinguishable from a human if it weren't so good at "evil overlord" hand gestures. For reasons that probably seem rather silly in hindsight, large portions of it were cut shortly after its release, and for several decades the film could only be seen in a woefully incomplete form. Then, in 2008, a nearly complete print was found in Buenos Aires,

presumably by a stubby adventurer with a fedora and a whip digging through the rubble of an abandoned 8-screen cineplex in the Argentinean mountains.

The subsequent restoration is the most complete version of the film to date, missing only about five minutes of footage compared to the original theatrical release. To tell you that partaking of this priceless artifact last month was a life-changing experience would not only make any English-speaking screenwriter cringe, it would probably be much less effective than simply saying that it was very, very cool. My inner moviegoer and inner movie snob exchanged inner high-fives as I walked out of the theater, one because he had just seen the movie that kicked off virtually the entire genre of sci-fi and speculative fiction as we know it, and the other because the film he just saw delivered edge-of-the-seat thrills, nail-biting action, and a happy ending in spite of being a) completely silent, and b) German.

The moral of the restoration of *Metropolis* seems to be that rushing to tweak something based on first impressions isn't always a good idea; tweaking at all often makes people uncomfortable (Mr. Lucas, I'm looking at you), let alone chopping up a film like you were making celluloid stew. Sure, in the digital age, the chances of losing anything forever as nearly happened with *Metropolis* is virtually nil — even if we might want to. One might argue that, given this summer's lineup, the chances of anything fresh is even less. The top three at the box office this weekend are a book adaptation (*Eclipse*), a television series adaptation (*The Last Airbender*), and a threequel (*Toy Story 3*). Elsewhere on the top ten are a remake (*The Karate Kid*), another television adaptation (*The A-Team*), and what seems to me to be a rather unnecessary four-quel (*Shrek Forever After*). When so many of the big films are derivatives of preexisting media, it's

hard to imagine anything have the same level of impact on any genre as much as *Metropolis*, especially now that genres like romance, horror, action, and parodies thereof ending in the word "Movie," have so thoroughly established. Even so, it's important to remember in light of the headaches involved in putting *Metropolis* and its Machine Man together again, you never know when something might surprise you and be that one film that defines cinema for the next century. I don't think *Jackass 3-D* is going to be it, but I'm sure

the Darwin Awards will appreciate the word-of-mouth.

Now, if you'll excuse me, I have to go catch up on yet more movie-watching. There's a reboot (*Predators*) coming out I've been wanting to see, and I still haven't even seen the latest comic book adaptation (*Jonah Hex*) and comic book adaptation sequel (*Iron Man 2*) while waiting for the DVD release of a folklore adaptation (*Robin Hood*). Hopefully the crowds waiting to see the sequel to *Cats and Dogs* won't be fighting like... well, you know.



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Focus on Tang's health

Tang was mentally unwell at time of stabbing

Tang, from Page 1

judge.

The defense alleged that victim's mother, Glen Styke, had "extensive contact" with Fife and that led to Fife "suddenly and belatedly" changing her opinion. George's motion calls this part of "a series of untoward and disturbing events." Styke denies meeting with Fife, and a spokeswoman for the Middlesex District Attorney's office, Jessica Venezia Pastore, denies contact took place.



Glen Styke

See the sidebar for details of day one of the trial, on Friday June 25, previously published on our website.

Day 2, Monday

On Monday morning, the defense cross-examined Wolfe Styke. That covered similar ground to Friday's testimony, though focused more on Styke's perceptions of Tang.

Styke testified that he "eventually" understood that Tang was mentally ill, and that he knew she was taking Celexa, a prescription antipsychotic medication.

He also testified that he forced Tang to move out of his room "because of parental pressure."

Security guard testifies

Styke was followed on the stand by Russell J. Novello, the night watch patrolman at Next House on the night of the stabbing.



Russell J. Novello

Novello, who is no longer employed by MIT, testified that he gave Tang the key to Styke's room, Room 246, between 5:00 and 5:30 a.m. on Oct. 23, and he believed at the time that she was Styke's girlfriend.

Novello said "she was very nice," not crying or upset.

Tang failed to return the key, so Novello went up to Room 246 to retrieve the key. Novello knocked on the door, Tang returned the key, apologized, and Novello went back downstairs to the front desk, he said.

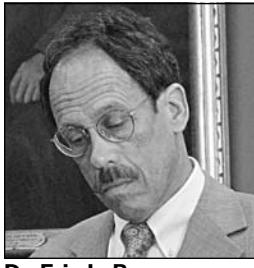
At about 6:30 a.m., Novello said, a male, probably a student, came down to the front desk and informed Novello that someone had been stabbed, and led Novello up to Room 246, where he saw Styke bleeding.

Novello called the Campus Police, and then led them up to the room, he said.

The defense did not cross-examine Novello.

Dr. Brown

The bulk of Monday's testimony was that of the defense's expert psychiatrist, Dr. Eric L. Brown.



Dr. Eric L. Brown

Brown, who is paid by the defense on an hourly basis, has been evaluating Tang since December 2007, two months after the incident.

Brown said he examined Tang's medical records, including those from Wellesley's Stone Center for Counseling, Tang's extensive record of emails with Styke and others, and records of Skype conversations with Styke.

Brown monitored Tang's status on a weekly basis, he said, and coordinated Tang's treating psychopharmacologist Dr. Michael Moffson, and her psychologist Dr. Liza Brooks.

Brown said he conducted a longitudinal evaluation of Tang over the course of two and a half years, and he spent a total of 26 hours with Anna Tang.

Tang had a history of medical illness dating back to adolescence, Brown said. He described her records as showing depressive behavior and manic behavior. He described Tang seeking counseling at Wellesley in early fall of 2005.

According to Brown, Tang's depression increased in February of 2006, and that she withdrew from Wellesley for a term.

Brown said that Tang felt suicidal during her teenage years, that she scratched herself, and that she wanted to kill herself.

Brown described an incident in high school where Tang was made "incredibly distraught" by an argument with her sister. "Her relationships were so tenuous — but also so impoverished — ... that the prospect of her sister not talking to her was just like psychological annihilation," he said. "That made her extremely depressed," Brown said.

Brown also testified that Wellesley College records said Tang "was sexually abused by her father — that was an incident that left her distraught, but very guilty. At the same time it also worsened her feeling — she had low self esteem to begin with — being sexually violated by her father made her feel even more worthless."

Brown said that it was his medical opinion that Tang "most definitely had a mental illness" from 2006–2007, and that it was a bipolar disorder.

Brown testified that, "My opinion is that she lacked the substantial capacity to appreciate the wrongfulness of her behavior; she lacked the substantial capacity to control her behavior to conform with the requirements of the law."

Brown testified that Dr. Fife, the Commonwealth's expert, opined that Tang was unable to control her behavior because of her mental illness, and that Tang could not appreciate right from wrong.

Brown's cross-examination

Brown was next cross-examined by the prosecution. Under cross-examination, his testimony appeared less compelling.

The prosecution established that Brown had not interviewed Wolfe Styke, Dr. Lisa Desai (who Tang saw at Wellesley), or "anyone who came into contact with Ms. Tang that night." He also did not examine Cambridge City Hospital report, nor her records from the jail Tang was held at in Framingham prior to her release under house arrest.

The Commonwealth pursued Brown about various factual details of his testimony. For instance, Brown had testified earlier that Tang "thought she had superhuman powers."

But then ADA Kontz referred to the Wellesley College records that state Tang "fantasized that she wanted to have those powers ... not that she actually had those powers?"

The prosecution attempted to convince Judge Henry that most of Brown's knowledge of Tang were based on things Tang reported to Brown or to other clinicians.

When asked if Brown "would have to re-assess his opinion" if he found out that Tang had lied to him, Brown indicated that he would have to re-assess his opinion in that case.

The prosecution also pointed to inconsistencies in Dr. Desai's report. Desai was a clinician at Wellesley College who saw Tang, and whose report was reviewed by Brown. Brown did not appear to have been aware of those inconsistencies, and that diminished his credibility.

Day 3, Wednesday

Tuesday was a scheduled day off for the trial.

On Wednesday morning, the trial began with the defense attorney George announcing that he had been informed by ADA Kontz on Tuesday afternoon that Dr. Fife, the Commonwealth's expert, "now wishes to change her opinion as to criminal responsibility."

Kontz told the judge that "Dr. Fife is changing her opinion as to one prong of the elements that the court would need to find criminal responsibility."

Judge Henry agreed to a postponement of the trial. It seemed likely that the revised trial might be a jury trial, because "you wish to keep your options open," the judge said to the defense.

The defense also filed a motion to modify Tang's bail conditions. Tang's father, Jianguo "Jay" Tang, is dying of terminal liver cancer in China, and is not expected to last into August. Attorney George asked that Tang be permitted to visit her father on his deathbed, as well as to lower her \$10,000 bail, and relax some of the conditions of her GPS monitoring.

Later that day, the court denied the request to permit Tang to leave the country, writing:

"DENIED, after consideration of the issues raised by counsel and after review of the defendant's compliance with the conditions placed upon her in previous orders. While there have been no issues at all with respect to her compliance to date, I have a concern about Ms. Tang's return to face the trial of this matter after travel to China, a country with which the United States does not have an extradition treaty. As a father my heart goes out to Ms. Tang and her dying father. As a judge, however, I cannot rule with just my heart. Taking into account all of the various factors at issue, I must deny the defendant's request to travel to China."

The court did permit a reduction of Tang's bail to \$5,000 "to cover the ongoing costs of her defense" and indicated it was receptive to loosening restrictions on Tang's ability to leave her home, but the defense would need to be specific about the desired loosening, and to submit proposals to the Court's Probation Department for input before the judge would consider them.

Going forward

On Thursday July 1, the defense filed another motion to modify bail conditions, and the court denied the motion temporarily until the status hearing in August.

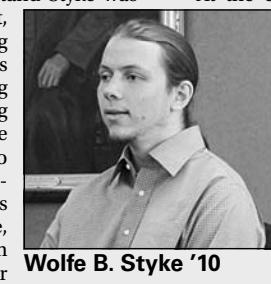
The Commonwealth filed a motion in opposition, as well.

The next court date is August 17, in Woburn, Mass. At that time, we expect another trial date will be set, and the Court will hear an oral argument about Tang's bail conditions, decide whether to relax them, and if so to what degree.

Day 1, June 25

Wolfe B. Styke '10 testified on the opening day of *Commonwealth v. Anna Tang*, the trial of the former Wellesley student who stabbed Styke in his Next House dormitory room in October 2007.

On the witness stand Styke was reserved and reticent, oftentimes pausing for tens of seconds before responding to or acknowledging questions. When he did speak, he did so quietly, almost inaudibly, and many times lawyers, the judge, and clerks asked him to repeat himself or speak louder. According to the Commonwealth, Styke was diagnosed as a child with "apraxia of speech" and "severe phonological disorder" which are "exacerbated by stress."



Wolfe B. Styke '10

and they shared a class, Styke said. When Tang needed a place to stay for the summer of 2007, she moved in with Styke, he said.

Styke described his relationship with Tang as his first. He explained how it continued until it became sexual, after which he tried, with difficulty, to break off the relationship.

At the end of July 2007, under pressure from his parents, Styke forced Tang to move out. She moved into an MIT independent living group, Styke said. Based on his description, that ILG was Epsilon Theta, in Brookline.

Styke and Tang continued to see each other as friends throughout the summer, Styke said. Tang wanted to get back together with him, he said, but he did not want that, however he was still willing to talk and study with her.

Tang and Styke would talk for several hours a night, several times a week, he said.

Precursor to stabbing

Styke described an incident where Tang did not want to leave his room, refusing dozens of requests to do so over a span of hours.

At one point, Tang grabbed Styke by the shoulders and pushed at him, he said.

Styke said Tang eventually explained "she wanted to get to a knife to hurt herself to show me how much she cared—and that didn't make any sense."

Styke said he threatened to call 911, and that was sufficient for Tang to leave. Styke described Tang's facial expression as shocked. He feared that she would treat him differently going forward because of that threat.

Styke even considered installing an audible alarm on his door, he said, so he could not be surprised in his sleep. But he did not do so.

The stabbing incident

Early on the evening of Oct. 22, 2007, Styke and a female friend were working on homework together in his room, he said. Tang came to see Styke, saw the friend, and "stormed off," he said.

Styke said Tang's face looked as it did when he had threatened to call 911, previously.

Styke said he "went to an event" that night around midnight, returned home around 2:30 or 3 a.m., and went to sleep around 3:30 a.m.

The next thing he remembered was waking up with the sun shining around his drawn blinds, and a shiny object heading towards his head, and a person "on top of me."

That person was Anna Tang.

Styke blocked her knife strike, he said, and pinned her on his bed.

"Then I took the knife from her hands and tossed it aside," he said, rolling her out of his bed as he got up.

Styke repeated the phrase "tossed it aside" several times as he related the incident.

After getting off the bed, Styke picked up his cell phone and called 911, he said. He observed a trail of blood behind him and began to understand the seriousness of his wounds: "I could see my arm muscles through my skin," he said.

Paramedics respond

Styke wrapped towels around his bleeding wounds, and within a few minutes, police and paramedics arrived, he said.

With a total of seven wounds, he was transported to Mass. General Hospital, he said. At least six of the seven wounds took place while he was sleeping, he said.

Styke said that now, almost three years later, he still feels the physical effects. He has areas on his shin and upper arm that are numb, he said, and also has scars from all seven wounds, and might consider plastic surgery, he said.

Trial reactions

George, the defense attorney, gave his reaction to the first day in an e-mail: "These types of proceedings demonstrate why a jury-waived setting is sometimes in the best interest of justice."

"The first day went very slowly and would have tested a jury's patience beyond any reasonable measure, so I am now certain that the decision to elect a non-jury trial was the best route for Ms. Tang's case. I can only hope that the next two days of hearings go much more efficiently," he said.

A version of this sidebar previously ran on the web on June 26.

Ortiz to follow in Lerman's footsteps

Aims to improve MIT diversity, research

Grad dean, from Page 1

dean, Clay put together a six-member advisory group. The advisory group consisted of five professors (Martin L. Culpepper, Karen K. Gleason '82, Kai von Fintel, John A. Ochsendorf, and Maria T. Zuber) as well as the President of the Graduate Student Council, Ulrich J. Ferner G.

"The group was assembled to include a representative of the faculty and a graduate student leader familiar with issues related to the graduate student experience," said Clay.

There were more than three-dozen nominations for the new position, all of which were tenured faculty at MIT. Clay talked or interviewed with roughly one dozen of the candidates. Two final candidates were interviewed by the advisory group.

The members of the Advisory Group said they are very pleased with the appointment of Ortiz.

"I think that Christine will be fantastic in this role. She has a lot of creative ideas for the Office [of Graduate Education] and she'll bring a lot of energy," said Ferner.

Ochsendorf was also happy with Ortiz's appointment. "She is absolutely inspirational," he said.

Ortiz told *The Tech* in an interview that the Dean for Graduate Education "can bring different departments together to discuss their programs and innovations. We can cross cultivate and get people talking together in a way that enhances the graduate experience."

Ortiz mentioned that she foresees no immediate major changes to the gradu-

ate education program. "The first part will be learning and listening to the staff and the students, and then go from there," she said. "Lerman made a good foundation and I'd like to continue a lot of the work that he did."

In the long-term, however, Ortiz said that she'd like to evaluate and improve several aspects of graduate education, including lab-based courses, distance learning, and interdisciplinary programs. She recently led a revision of the graduate curriculum in the Department of Materials Science and Engineering (DMSE). She summarized these changes in a section in the January/February MIT Faculty Newsletter report entitled, "Towards a Personalized Graduate Curriculum."

Ortiz received her B.S. (1992) from Rensselaer Polytechnic Institute and her M.S. (1994) and Ph.D. (1997) from Cornell University. In 1999, she came to MIT as an assistant professor. Her research group studies the structure and nanomechanics of biological materials, and the Department of Defense has recognized her for her research in new body armor technology based on the natural armor of primitive fish.

She has been invited to give over 100 lectures all over the country. She has also written over 100 publications, and serves on editorial boards for several journals including *Science*. In her laboratory, she works with 16 students and postdoctoral associates. Despite her busy work schedule, Ortiz said she plans to continue doing research as dean.

Ortiz also teaches 3.052 "Nanomechanics of Materials and Biomaterials,"

which she started in 2000. As a result of her appointment as dean, she said that she will scale back on teaching.

In addition to her research and teaching, Ortiz is active in the MIT Community. She has held positions on the MIT Institute Global Studies Council, Institute Committee on Graduate Programs, Materials Council, Committee on International Programs, and MIT150 Planning Committee.

She is also the founder and director of MISTI MIT-Israel, which offers MIT students internships in Israel. She created the program after noticing that many of her research collaborations were involved with groups in Israel. Since starting the program, she has sent several of her own students to Israel.

Additionally, Ortiz is a strong supporter for diversity-related issues in higher education. She hosts the MIT Diversity Web Portal and has participated in many diversity committees and panels at MIT and abroad.

"It's important that MIT have an inclusive climate where all of its members have the opportunity to reach their goals," Ortiz said.

The role of dean for Graduate Education is mainly responsible for organizing and distributing graduate fellowships, working on recruitment and inclusion of minority and women students, and for general advising and mentoring. In addition to these major objectives, the dean also works and collaborates with the Committee on Graduate Programs, the Graduate Student Life, and the Dean for Student Life.

Chug to the US

An unconventional 4th celebration at MIT

Milk, from Page 1

cium lately," he said.

Most of the participants were given a gallon of skim milk and strategically placed alongside trash cans in case of messy accidents.

Andrew T. Carlson '12 boldly chose to participate with a gallon of whole milk because he said that is what he customarily drank. Elizabeth K. Rosalia '13, the only female participant, substituted a gallon of water for the milk. She was curious about whether the difficulty in the challenge lay in the volume of liquid or the unique unpalatability of milk itself.

Rosalia was the only one able to complete her gallon, but reported feeling dizzy and nauseous after the experience. None of the milk drinkers finished drinking their gallons, giving up with around a third of the milk to go.

Whole milk proved to be the most difficult to finish, although Carlson was admirably close to catching up with the other contestants.

Johnson said that he felt more patriotic after drinking all the milk. "What better way to reinforce the imperial measurement system. Who wants to participate in the 3.7854 liters challenge? Probably a bunch of lame metric system types," Johnson said.

There are currently no studies on either PubMed or Google Scholar on the science behind why the gallon challenge is so hard. However, some websites, yielded through a preliminary Google search, offer a variety of reasons. Some suggest that the large amount of milk overwhelms a normal person's lactose-digesting capabilities. A Yahoo! Answers user suggests that milk neutralizes stomach acids and thus acts against digestion itself. On the other hand, Some believe that the challenge is difficult simply because of the limitations of the maximum carrying capacity of the stomach; others believe that is just an excuse and purely psychological funny-business.



The Fourth of July fireworks are seen from the top of the Green Building (Bldg. 54). Anxious spectators began lining up along the Charles River early in the morning to reserve prime viewing spots for the July 4th Boston Pops Fireworks Spectacular.

Pops, Keith take the stage

Country and classical fuse the 4th

By Jingyun Fan
ASSOCIATE NEWS EDITOR

Over 800,000 people gathered on the Esplanade on July 4th this year to watch the annual Boston Pops Fireworks Spectacular. The show featured musical performances at the Hatch Shell by country singer and superstar Toby Keith, the Boston Pops Orchestra with conductor Keith Lockhart, the Tanglewood Festival Chorus, and the Middlesex County Volunteers Fifes & Drums. This is a "show that will surely dazzle the senses!" promised the announcer as the show went live on national television.

As in years past, Bostonians and visitors camped

out in the sweltering heat for prime space on the Esplanade eight hours before the show actually started. To fend off boredom, children played volleyball with beachballs and garnered red, white and blue face paintings.

Keith was dressed in flared blue jeans, cowboy boots and hat, and brown shirt with glimmering gold inserts. Each time he entered the stage, his most avid fans cheered wildly. One fan shouted loudly, "I love you!" prompting the national television host Craig Ferguson to acknowledge the declaration.

The highlight of the show was the Boston Pops Orchestra's performance of

Tchaikovsky's 1812 Overture set to cannon salutes by the 101st Field Artillery Regiment. The three M102 Howitzer cannons have a range of 11,500m (7.1 miles) and a rate of fire of 10 rounds per minute.

The spectacular show concluded with the famous fireworks display. This year, the Boston Pops Fireworks Spectacular focused on presenting new effects, adaptations, and meaningful music themes—including this year's use of hot pink hearts. During the fireworks, recordings of "You're a Grand Old Flag" sung by the Mormon Tabernacle Choir and "Just Dance" sung by Lady Gaga were played for spectators.



The U.S. Army's artillery squad fires off cannons during the Boston Pops' rendition of Tchaikovsky's "1812 Overture." The "1812 Overture" is a traditional part of the July 4th Boston Pops Fireworks Spectacular at the Hatch Shell.

Hickey writes Hockfield, MIT must help save coast

Spill, from Page 1

Tech. "I wish that people would bring it more to the forefront and try to recognize [the situation] more," she said. "I thought it was just a bummer that they didn't even bother acknowledging the email."

On May 14, U.S. Energy Secretary Steven Chu appointed Alexander H. Slocum '82, MIT professor of mechanical engineering, to a specially-picked group of five scientists to

help propose alternative strategies to slow the BP oil leak. Slocum was among the MIT professors who met with President Barack Obama last fall during the laboratory tours, and is one of several MIT faculty members currently lending their technological expertise to help manage the BP oil spill.

The Tech sent emails both to Slocum and Hockfield, however, they declined to comment on Hickey's email and the current oil spill situation.

Dew Tour brings world's best to Boston

By Joanna Kao
STAFF REPORTER

At a quarter to three on June 26, hundreds of people ran through the doors of Boston's TD Garden and rushed up the escalator stairs to the balcony of the stadium to watch the first of five stops on the 2010 Dew Tour and IFC Skateboarding World Championships. General admission ticket holders were not guaranteed seating and therefore contributed to the dog-eat-dog situation. Why choose to risk your life in the mob? Because tickets were only \$15 (cheap when compared to the \$100 action zone tickets), they were perfect for the moderate fan as well as the monetarily-challenged college student.

The general admission ticket seats (assuming you quickly and successfully tackled everyone in front of you and hopped over 10 rows of seats to get to the front row) gave a perfect view of both competitions held at the first stop of the Dew Tour: Skateboard Vert and Skateboard Park.

Women's Skateboard Vert

The afternoon began with the women's skateboard vert competition final. Seven women competed in one jam session where each skater got four 30-second runs. Each skater's two best scores were tabulated to get an overall final score. Gaby Ponce, an 18-year old from New Jersey, started off the group with a clean run including a kickflip indy, gay twist, and lez twist. Franziska Stoltz, however, had a shaky start, failing to land back on her board after doing a trick and falling early in her run. Both Julie Kindstrand and Nora Vasconcellos, the 17-year old hometown favorite from Pembroke, MA, skated clean runs, but their tricks were less difficult, only doing a series of backside airs and frontside grinds. They did not get as much height off each half-pipe wall. Despite tearing her ACL a few months ago, Mimi Knoop took the stage next, landing a trick called the eggplant according to an article on the Alli Network. Lyn-z Adams Hawkins, last year's Dew Tour Champion and obvious crowd favorite, skated last. Despite pulling off a difficult flip trick, she



JOANNA KAO—THE TECH

The ISF 2010 Skateboarding World Championships were held in Boston on Friday June 26 at the TD Bank North Garden. The competition consisted of two skating venues: the Pro Park (course pictured) and Pro Vert Halfpipe.

had difficulty landing tricks throughout her run and failed to retain her title and settled for third. Ponce took first, leading by nearly three points over Knoop who took home second.

Men's Skateboard Vert

The men's skateboard vert event was the obvious highlight of the entire afternoon even with an injured Shaun White, who is arguably a skateboarding legend because of his multiple X Games and Olympic snowboarding victories. Before the event started, all of the lights in the stadium were turned down, and a series of lighting and special effects were turned on. One at a time, spotlights shot down onto the skateboarders as they were introduced. The noise level of the crowd increased at least tenfold in comparison to the women's event that had ended just 15 minutes earlier.

The men's event was split into two semi-final heats of five skaters each. The over-

all top five skaters moved onto the final to compete for the gold. Bucky Lasek of the US and four Brazilians: Sandro Dias, Pedro Barros, Marcelo Bastos, and Ronaldo Gomez competed in the first heat of the men's semifinals. Lasek, last year's Dew Tour champion, had trouble starting from the very beginning, falling on his first trick. Both Barros and Bastos led the heat in the first round. While most of the skaters relied on 540 spins and its variations, 14-year old Barros wowed the crowd by landing the first and only 720 in the first heat prompting the commentators to call him a "spinning machine." However, by the third round, Dias had clearly stood out with his technical tricks and height off the sides of the half-pipe. In the fourth round, Barros edged out Bastos with a solid score of 43.25, landing both him and Dias in the finals scoring 85.13 and 85.63, respectively. Shockingly, Lasek was unable to stick his tricks and failed to qualify for the finals, losing the opportunity to defend his title.

Starting in the second heat was Boston native and skateboarding veteran Andy Macdonald, nicknamed "Mr. Consistency" for having qualified for 24 previous finals. He lived up to his name as he hit four clean runs in a row with scores of around 40. Pierre-Luc Gagnon, nicknamed "PLG," came not far behind, with two strong runs with scores also over 40. Adam Taylor had trouble holding onto his board and landing tricks until he pulled off two clean runs,



JOANNA KAO—THE TECH

Pierre-Luc Gagnon skates in the final of the Men's Skateboard Vert at the TD Bank North Garden in Boston on June 26 as two-time Olympic gold medalist Shaun White provides commentary for the audience. Gagnon (91.26) defeated Sandro Dias (89.38) and Andy Macdonald (87.63) to win the Men's Pro Vert competition.

...14-year old Barros wowed the crowd by landing the first and only 720 in the first heat...

both nearly over 40, in his last two runs. In the end, consistency won out and Macdonald came out in first in his heat, with PLG and Taylor in following; all three qualified for the finals.

In the final jam session, PLG came out on fire with back-to-back tricks and 720s, leading with a 91.26 by his third run. An ESPN blog post raved about PLG's switch heel frontside air 360, saying that it was a highlight of the event. Luis Gil '13, a spectator and skateboarder of 4 years, said, "Besides the last one, he had some of the smoothest landings I've ever seen. He was a bit ambitious [with the last one]." In response, Dias

Women's Skateboard

Vert Standings:

Gaby Ponce:	72.51
Mimi Knoop:	69.88
Lyn-Z Adams Hawkins:	67.63
Cara-Beth Burnside:	65.13
Nora Vasconcellos:	63.63
Julie Kindstrand:	54.26
Franziska Stoltz:	37.50

Men's Skateboard

Vert Standings:

Pierre-Luc Gagnon:	91.26
Sandro Dias:	89.38
Andy MacDonald:	87.63
Pedro Barros:	81.00
Adam Taylor:	80.75

Women's Skateboard

Park Standings:

Leticia Bufoni:	84.13
Lacey Baker:	78.58
Alexis Sablone:	77.15
Amy Caron:	71.03
Rachel Reinhard:	70.28
Candy Jacobs:	68.15

Men's Skateboard

Park Standings:

Greg Lutzka:	88.05
Ryan Sheckler:	86.30
Chaz Ortiz:	83.35
Bastien Salabanzi:	81.18
Eli Reed:	78.38
Sierra Fellers:	76.15

brought the crowd to their feet with an alley cat over the 15-foot gap. However, that wasn't enough and PLG beat out Dias by less than two points. Macdonald finished in third, two points behind.

Women's Skateboard Park

Twelve women competed in the women's skateboard park event. It was easy to predict which skaters would be successful in the competition based on their warm-up sessions and practices, which occurred throughout the day and during the vert competitions. Leticia Bufoni, the 17-year old from Brazil, was out on the course for a majority of the afternoon and never missed a chance to skate across the course in the short transition period between runs. Not surprisingly, she led by more than 10 points at 81.50 in the first semifinal heat. She consistently landed jumps across the gaps that other competitors did not even attempt and difficult tricks on the grind rail. Two Japanese competitors, Chihiro Uchida and Miho Kazama, were not seen often out on the course during open practice sessions and came out very conservatively during the competition. They had trouble landing simple kick flips and heel flips. With two and a half minutes left in the jam session of heat 1, Elizabeth Nitu, a 16-year old from California, injured herself after missing an Ollie combination onto a table. She was able to walk off the course after several attempts and with the help of two medics.

Heat 2 of the women's skateboarding park semifinals included Vanessa Torres, last year's champion, and veterans Lacey Baker and Alexis Sablone. In a surprising turn of events, Vanessa Torres, the defending champion, did not qualify for the finals after failing to land most of her tricks. In

Dew Tour, Page 15

Engineers travel overseas; claim basketball tourney title

By Bob Ferrara '67
TEAM REPRESENTATIVE

Last month, the MIT men's basketball team competed in the Kainan University Invitational Tournament in Taiwan. This annual event, now in its fifth season, featured mostly teams from Asian universities. Using their depth and size advantage over their opponents, the Engineers cruised through the tournament, picking up four straight wins en route to their second tournament title in two trips (They also competed in the tournament in 2006).

The style of play throughout the tour-

nament was quicker, because of the use of an international 24-second shot clock, but MIT had no trouble adjusting. They scored 123 points in the first round against Hsuan Chang University, tying an Institute record, then dominated Kyushu University in the next round with a 114-point effort.

After defeating the host team from Kainan University, MIT secured a berth in the championship game against Taipei Physical Education College (TPEC). In front of a packed arena, the Engineers were in control the entire game, shutting down their opponents with a full-court press. They led by 15 at half-time, and pushed their lead to

over 20 points before finishing with a 98-81 victory. After the game, the Engineers cut down the nets as keepsakes.

In addition to their on-court success, the MIT team enjoyed celebrity status in Taiwan, with fans swarming to get autographs or souvenirs. During one autograph session, William Tashman '13 and Mitchell H. Kates '13 recall, "We were extremely surprised to see a crowd of Kainan girls stretching for hundreds of meters." The team also took the opportunity to sightsee and take in the local culture, from visiting the top of Taipei 101 to eating squid from street vendors.

The tournament championship is a fitting conclusion to the most successful season in program history, in which the Engineers went 22-5 and earned a trip to the Division III National Tournament. It also represented the final sendoff for the two seniors on the team, Patrick S. Sissman '10 and Willard J. "Billy" Johnson '10.

Although the seniors' leadership and talent will be missed next year, this trip has provided the team with valuable experience both on and off the court, and the Engineers look forward to another strong campaign in their 110th anniversary season next year.